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NUS-Priority Research In Medical Education

Augmented Reality Telecollaboration for On-Call Otolaryngology Residents
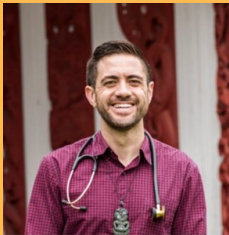
Augmented Reality (AR) technology has many use cases in healthcare including tele-collaboration and tele mentoring. Typically on nights and weekends, residents evaluate patients and perform bedside procedures without in-person attending guidance. This study will look at a real-time telecollaboration between remote experts and residents using AR-enabled live remote video and audio streaming. The hope is that this technology will augment trainee learning, improve the performance of procedures, and improve the experience of patients and families as now an expert is virtually there in real-time. This is a feasibility study that will inform future iterations of design and implementation.

Dr Eric GANTWERKER
Northwell Health; Department of Otolaryngology, Zucker School of Medicine at Hofstra/Northwell, USA

Dr. Eric Gantwerker is a Pediatric Otolaryngologist and Associate Professor at Northwell Health. He has a master's in medical education from Harvard Medical School. He is also the Medical Director of a medical video game company and is recognised as an expert on educational technology and gaming and was inducted as an Associate Member of the ACS Academy of Master Surgeon Educators.

Measuring the Learning Outcomes of Datathons

Healthcare datathons are cross-disciplinary events where teams use data science to analyse large datasets for clinical insights. This research assessed participant satisfaction and learning outcomes from datathons in Sydney, Singapore, and Beijing. Results indicated datathons offer valuable learning experiences across various professional and demographic backgrounds. They foster collaboration, promote health data science understanding, and their benefits vary based on professional background. As big data and machine learning grow in healthcare, datathons present opportunities to boost data science proficiency and support a cross-disciplinary approach to health insights.

Dr Mataroria LYNDON
Centre for Medical and Health Sciences Education, School of Medicine, The University of Auckland, New Zealand

Dr Lyndon is a Senior Lecturer in Medical Education in the Centre for Medical and Health Sciences Education at the University of Auckland, and co-founder of Tend Health a digitally led primary healthcare provider. He completed his Master of Public Health at Harvard University as a Fulbright Scholar and Frank Knox Fellow, and his PhD is focused on medical education. He was also awarded the Deloitte IPANZ Public Sector Young Professional of the Year.

Date : 6 November 2023 (Monday)
Time : 12.30pm - 1.30pm Singapore Time (30mins each)

This session will be conducted online
Each Speaker:
20mins pre-recorded presentation +
10mins 'Live' Q&A

Registration closes on 2 November 2023

Register here or scan the QR code

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